

ABSTRACT

Novel elastomeric compositions which contain at least one thermoplastic elastomer and at least one phase change solvent and at least one processing oil. The presence of particular processing oils, e.g., poly(alphaolefins), provide a means to increase mechanical properties compared to commercially available mineral oils. The oils of the present invention are chosen as to minimize the depression of glass transition temperature of the hard-block of the thermoplastic elastomer. The phase change behavior of these materials produce elastomeric compositions that exhibit lowered viscosity and lowered processing temperature without substantially compromising the mechanical properties of the elastomeric composition.